

MEUG 8 week rolling calendar week starting 16th May 2016¹

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~ Hon Simon Bridges, in his role as Minister of Transport, announced on 5 th May an EV promotion/subsidy policy package: Govt driving switch to electric vehicles .	
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~ Genesis Energy and MEL announced 28 th April a 4 year swaption (calendar years 2019 to 2022) for 150 MW to be available 7 months pa (April to October) and 100 MW balance of year. ✓ The day after the announcement OMF succinctly summarised the impact on spot and C markets: Yesterday's announcement on Huntly's delayed closure had little market impact, the only change being 2019 Otahuhu contracts were better offered during the session. Huntly's extension was widely expected so the muted reaction was unsurprising. Security of supply has taken priority over emission reductions and although the power curve has hardly moved, the news had a meaningful impact on carbon prices. NZUs traded up from \$13.85 to a high of \$14.35 yesterday on good volume.	
~ The National Winter Group 2016 report was published 2 nd May stating: The power system is well prepared for winter 2016. It is unlikely there will be major issues meeting peak winter demand and the power system should be able to meet the peak winter demand in a normal, secure state. ✓	
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~ On 10 th May the EA announced the next step on their distribution pricing review would be a conference in August. The EA stated: The Authority's strong preference is to facilitate an industry-led approach to developing and adopting efficient distribution pricing structures. MEUG is also hopeful this can be achieved - though we are also sceptical given experience to date.	
Abbreviations	10

¹ Updates last rolling calendar for week starting 25th April 2016.

MEUG rolling calendar from week starting 16 th May 2016	Status	May-16	Jun-16	Jul-16	Notes, long-term timeline.
<p>Political and legislative</p> <p>House sitting programme 3 days each week from:</p> <p>Budget day</p>		24, 31 26	01, 08, 15, 28	05	
<p>Policy and governance: Departments</p> <p>MBIE National Energy Strategy update</p> <p>MBIE information and forecasting publications:</p> <ul style="list-style-type: none"> ~ NZ Energy Quarterly March quarter 2016 ~ Sales based elec. Costs for residential ~ Quarterly Survey of Domestic Elect. Prices ~ Electricity Demand & Generation Scenarios <p>MBIE targeted Commerce Act review</p> <p>MBIE Assessment of merit review regime.</p> <p>MBIE Review of Electricity (Low Fixed Charge Tariff Option for Domestic Consumers) Regulations 2004.</p> <p>MBIE & ENA NZ Smart Grid Forum meetings</p> <p>MBIE engagement with IEA for In Depth Review of NZ – final report</p> <p>Office of the Auditor Gen.: performance audit of publicly owned EDB</p> <p>MoT: Implementation of EV subsidy/promotion package 5th May</p> <p>MfE: ETS review</p>			June?		<p>Dates for consultation to be announced. See EECA for related NEECS update.</p> <p>Last December quarter 2015 published 17th March 2016</p> <p>Last published December 2015</p> <p>Last published 15th February 2016</p> <p>See “Transmission” page.</p> <p>Subs closed 9th February.</p> <p>Last action, Summary findings from interviews with stakeholders, April 2016.</p> <p>Covered in EA’s RWG work streams.</p> <p>Last meeting 4th May. Next meeting 10th August, Auckland</p> <p>December 2016: Final IEA report. MEUG presentation made 29th April.</p> <p>See more details EDB page.</p> <p>MEUG to monitor.</p> <p>Subs on priority matters closed 19th February and remaining matters 30th April.</p>
<p>Policy and governance: Crown entities</p> <p>EA governance and market monitoring:</p> <ul style="list-style-type: none"> ~ EA Board meetings ~ EA current enquiries, reviews & investigations, <ul style="list-style-type: none"> ♦ Demand side bidding and forecasting ♦ High energy prices -15 to 25 June 2015 ♦ 2 hour revision rule ♦ Flick’s position on Powerswitch – further review work ♦ 2015 Residential consumer survey ~ EA consider review of participant audit regime ~ Market operation Service Provider (MOSP) agreements <ul style="list-style-type: none"> ♦ New SOSPA comes into effect after gazetted code Δ to align market service provider roles with EA statutory objective and specific changes to System Operator role that closed 10th February. ♦ Decision on Registry MOSP tender. 			09	-	<p>Submissions closed 22nd December 2015.</p> <p>01</p> <p>June</p> <p>New contract to take effect 1st May 2017.</p> <p>GIC also tendering. EA and GIC will consider joint RFPs.</p>

MEUG rolling calendar from week starting 16 th May 2016	Status	May-16	Jun-16	Jul-16	Notes, long-term timeline.
<u>Policy and governance: Crown entities - continued</u>					
~ EA consultation on review of advisory groups' charter and terms of reference					September to October.
~ Security & Reliability Council (SRC) meetings			21		
~ SRC appointee to replace Judi Jones (household rep)	May				
~ Wholesale Advisory Group (WAG) meetings					
~ WAG appointees for 4 vacancies to be advised			June		For 2 year terms starting 1 st August.
~ Retail Advisory Group (RAG) meetings			08		
~ RAG appointees for 4 vacancies to be advised			June		For 2 year terms starting 1 st August.
~ Regulatory Managers & Consumer Reps meetings			15		
EECA:					See "Seminars and other" for EECA Awards 2016.
~ EECA levy: Primary MEUG objective to removing this unjustified tax with second best solution to get best spend for tax.					The Minister replied on 30 th March to MEUG's second OIA confirming he received no written reports from MBIE on EECA's proposed levy for the last 2 financial years. MEUG considering next steps.
~ Decisions on Technology Demonstration Programme funding.					Applications closed 8 th April.
~ Decisions on Crown Loans funding.					Applications closed 29 th April.
~ National Energy Efficiency & Conservation Strategy (NEECS) update					Dates for consultation to be announced. See MBIE for over-arching National Energy Strategy update.
<u>MEUG governance</u> - Monthly meetings		18	22	27	AGM on 18 th May.

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Seminars						
Energy Management Assoc. of NZ conference 2016	new	17-18			Auckland.	
EECA Awards 2016		18			Auckland. Finalists announced 6 th April 2016. No MEUG members were finalists in the 10 awards categories.	
The Aotearoa Wave and Tidal Energy Assoc. (AWATEA) 10th Annual Conference, Global advances		19			Wellington	
Energy Users' Association of Australia, Queensland Energy Forum Conferenz, 2016 NZ Intelligent Infrastructure summit				01 13 & 14	Brisbane Auckland	
Energy Law Assoc. lunchtime seminar, Stuart Fraser, Post-Paris Climate Change Targets and Implications for the NZ ETS		26				
The Deloitte Energy Excellence Awards : ~ Entries close ~ Finalists announced ~ Awards night		17		21	10 August, Auckland	
Training						
Energy Link training courses ~ Introduction to the electricity market ~ Nodal pricing of electricity ~ Hedging electricity				Wellington 19 20 21	Auckland 18-Oct 19-Oct 20-Oct	
Energy Management Assoc. of NZ training courses ~ Auditing to the new energy audit standard 3598/2014 ~ Energy manager professional training & accreditation ~ Continuous commissioning specialist course & exam ~ Advanced measurement and verification workshop		19			Auckland Wellington 7 th to 9 th September, Wellington 1 st and 30 th November, tbc	
Government Economics Network training: ~ Intro Microeconomics for Policy Analysis ~ Productivity Growth for Maximum Wellbeing ~ Intro to Economic Evaluation						15, 18, 22, 25 August. Dr Veronica Jacobsen, Treasury. 13, 14, 20, 21 September. Dr Patrick Nolan 27-28 October. Dr George Rivers
NZX Understanding Electricity Markets training courses				2-3		23-24 Aug, 27-28 Oct. All Wellington except Auckland in August.

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<p><u>Common quality: Policy and overview</u></p> <p>EA to consider subs (closed 15th February) on Proposed changes to policy statement (for common quality).</p> <p><u>Common quality: FK</u></p> <p>Information paper on longer term arrangements to incentivise more governor response.</p> <p><u>Common quality: IR</u></p> <p>Proposal to allocate IR costs nationally</p> <p>Review of IR event charge and cost allocation – WAG issues and options paper published</p> <p>EA publishes SO report on possible new Sustained IR (SIR) products</p> <p>SO work on proof of concept for new Fast IR (FIR) products starts.</p>					<p>Bi-annual review process. Good improvements. No significant disagreements. EA expect to gazette new policy statement at earliest May 2016.</p> <p>Next steps to be announced.</p> <p>Last consultation closed 26th April. 9 submissions made: 5 agreed with proposal, 2 suggested option C instead and MEUG agreed subject “subject to any evidence from generators that the proposal might have systematic biased detriments that would be material over the long term compared to either option B or C”. MEL submission contained commercially confidential information on this point that was withheld.</p> <p>EA to either make a decision or announce next steps.</p> <p>End of September.</p> <p>SO recommends no new SIR products. Next steps to be announced.</p>
<p><u>Common quality: AOPO</u></p> <p>Generator fault ride through – EA Board to consider code Δ</p>			June		If OK then Code Δ then gazetted.
<p><u>Common quality: Extended Reserves</u></p> <p>New extended reserves (a.k.a. AUFLS) regime</p> <p>Consultation on technical requirements schedule</p> <p>Consultation on selection methodology</p> <p>Formal consultation on procurement proposal</p>			June	July	<p>Annual cost/payments expected to be ~\$5m pa. Go live in 2017.</p> <p>Dates may be revised</p> <p>August to September 2016.</p> <p>2017Q1</p>
<p><u>Common quality: Voltage</u></p>					No current generic work.

MEUG rolling calendar from week starting 16 th May 2016	Status	May-16	Jun-16	Jul-16	Notes, long-term timeline
<p><u>Security of supply Policy and near-term operational topics</u></p> <p>Planned Outage Contingency Process (POCP) generation balance f/cast issues – 30 MW max shortfall N-1-G contingency with coincident generator outage risks in early June.</p> <p>Emergency Management Policy and System Operator Rolling Outage Plan changes.</p>			06-10		<p>MEUG monitoring this risk due to coinciding planned outages for HVDC filter outage and various planned generator outages. Latest risk window from NWG 2016 report published 2nd May 2015. Prior risk window was 7th to 13th June per CAN issued 05-Apr-16.</p> <p>Submissions closed 12th February with System Operator (refer). EA considering.</p>
<p><u>Security of supply in the face of changing market conditions</u></p> <p>Grid owner investigations into Upper NI generator decommissioning</p> <p>~ Upper NI dynamic voltage stability limits</p> <p>~ Possible dynamic voltage stability limits in Waikato</p> <p>~ Possible risk, but less than above items, with static voltage limits</p> <p>~ Continue current investigations on options to remove existing 100 kV Bunnythorpe-Mataroa thermal constraint</p> <p>~ Reverse plan to close Arapuni bus split in 2017</p> <p>Relevant EA work:</p> <p>~ Customer Compensation Scheme (CCS) consultation</p> <p>~ Stress test consultation</p>					<p>Published 15th March 2016.</p> <p>The announcement on 28th April of a 4 year swaption between GNE and MEL has relieved some urgency from this work – nevertheless we expect Transpower will continue the following work.</p> <p>TPNZ to advise timeline. Will use CC Major Capex proposal process (ie for > \$20m capex proposals). Risk from winter 2020 using N-1, and winter 2019 using N-G-1 where G = 400 MW Huntly CCGT.</p> <p>To be included in above investigation.</p> <p>To be included in above investigations.</p> <p>Other lower NI thermal constraints may arise once market clarifies later this year decisions on Rankine units. Then those constraints will be investigated.</p> <p>TPNZ to initiate industry consultation on proposal in 2016.</p> <p>From late August.</p> <p>From late August.</p>
<p><u>Security of supply BAU</u></p> <p>System Operator, Security of Supply: Weekly Update</p> <p>Hydro Risk Curves</p> <p>Simulated Storage Trajectories</p> <p>Security of Supply Annual Assessment (ASA)</p> <p>Annual National Winter Group (NWG) report</p> <p>Bi-annual update of Participant Rolling Outage Plans</p>					<p>Published weekly.</p> <p>Updated for material f/cast changes. Last updated 24th April 2016</p> <p>Updated for material f/cast changes. Last updated 19th November 2015</p> <p>Consultation on ASA 2017 will commence end 2016.</p> <p>ASA 2016 published 29th February 2016.</p> <p>NWG 2017 process will commence end 2016 or early 2017.</p> <p>Last NWG 2016 report published 2nd May 2016.</p> <p>2016-17</p>

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<p>Wholesale Market</p> <p>ASX NZ futures and options market:</p> <ul style="list-style-type: none"> ~ ASX list cap product – discussions EA and market participants on product spec. ~ ASX futures & options (F&O) users' group meetings ~ ASX considering opportunities to combine education/sales ~ ASX market wrap – pilot will change to monthly <p>FTR monthly primary and <i>variation</i> auctions</p> <p>EA hedge market development:</p> <ul style="list-style-type: none"> ~ Implement establishment and market making for cap products per decision paper of 9th December ~ ASX/AEMO design study report on possible offsetting ASX & spot market prudential requirements – report published ~ Implement recommendations from WAG Hedge Market Development paper 4th August 2015 not listed elsewhere <p>EA wholesale market information:</p> <ul style="list-style-type: none"> ~ Review of clause 13.2 exclusions, WAG publish paper ~ Improving public access to fuel quantity information <p><u>Spot market refinements:</u></p> <ul style="list-style-type: none"> ~ Subs due on Real time pricing (RTP) paper <p>~ Investigation into an hours-ahead market</p> <p>Other EA wholesale market work:</p> <ul style="list-style-type: none"> ~ DD during tight market conditions : EA decision ~ Offer and dispatch – wind generation offers, WAG to submit proposal to EA Board ~ Proposed Scarcity Pricing (operational) Code Δ subs close ~ Earlier gate closure, revised bid & offer provisions: System Operator begins design work. ~ Applications for shorter post-default exit period (Part 14) 	ongoing	May <u>17</u>	15, <u>22</u>	13, <u>20</u>	<p>Aim to list second half 2016. Key design decision is an energy product or capacity product. Next Auckland ~16th August.</p> <p>FTR calendar</p> <p>Implementation through to June. See ASX proposal above for cap product on development road map 2016 H2. Recent indications are will prove difficult to implement in Australia. Once published EA to consider applicability for NZ. Pending with immediate focus on facilitating the trading of standardised cap products and voluntary market making of those products.</p> <p>This work on information supports hedge market development. September. EA to announce programme timeline.</p> <p>Four RTP options being considered: (1) Ex-ante 30-min price, eg PRS (2) Dispatch-based prices, eg RTD ⇄ EA preference so far ✓ (3) Ex-post 5-min prices, eg RTP (4) Ex-post 30-min price, eg final prices System Operator to commence work on a report. Consultation in August.</p> <p>Subs closed 1st March. MEUG support Code Δ other than submitted \$15k/MWh bid cap should be higher.</p> <p>Non-controversial clarifications. Output of design work will inform implementation cost and timetable. Code Δ will be gazetted once timeline firmed up. Code Δ expected to come into effect 2017. Timeline for decision by EA not known.</p>
	new	24		July to September.	
	new		June end June	07 July	

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<u>Markets general</u>					
MRP to rebrand as Mercury	new				Announced 2 nd May. Implementation later in 2016.
<u>Retail Market</u>					
<u>Retail Data project</u>					
~ Phase 1, access to consumption data, phase 2, access to tariff data went live 1 st February 2016. EA considering ways to communicate these policy outcomes					Possible communicate as part of winter What's My Number campaign
~ Implementation of standardised file format for supplying tariff data:					
• Industry working group meetings					June to July
• Consultation					August
• EA Board decision					Work to commence year starting 1 st July to assess if should proceed
~ Phase 3: Access to monitoring data					Timing and EA response depends on EA's next steps on EDB pricing.
EA to publish RAG report on effects of low fixed charges regulations					Covers medically dependent consumers (MDC).
RAG work on domestic contracting arrangements waiting for advice from Retailer Working Group.					
<u>Secondary networks</u> – Being considered by RAG					
CC reviews of standard form contracts in terms of the Fair Trading Act 2015 – review of electricity retail sector					Later in 2016. CC first reviewed Telco sector. Other standard form contracts to be reviewed this year are for credit and gym sectors.

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<u>Transmission</u>					
Electricity Demand & Generation Scenarios – MBIE to publish		Soon			
TPM: EA release draft options and decision paper	confirmed	17			Submissions close 26 th July.
Transpower launch updated Transmission Tomorrow document	confirmed	25			Update of inaugural version published June 2012.
Transpower Works Agreement					Subs closed 28 th February. Timing of next steps not known.
					The draft Transpower Works Agreement is intended to combine the existing Customer Investment Contract, Detailed Solution Development and Minor Works Agreements.
Winter line ratings end					End 20 th October. Started 10 th May.

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<p><u>Monopoly policy and general</u></p> <p>Office of the Auditor General (OAG) –publicly owned EDB work: ~ “Energy lines companies: Managing critical infrastructure” ~ Results of the 2014/15 audits EDB annual Information Disclosures – CC selected analysis Orion transition CPP to DPP 2019/20 draft decision published</p>	confirmed		soon	Mid-16 01	Timing of reports not known but probably early to mid-2016 Part of OAG 2015/16 theme reports on “investment and asset management” Subs due 12 th August and x subs 29 th August. Final decision in October
<p><u>Gas pipeline services (GPS) DPP 2017-2022 reset</u></p> <p>Joint CC and GIC workshops: ~ GIC, Gas Transmission Security and Reliability Issues Paper a.m. session ~ CC, DPP for GPS from 1 October 2017, process and issues paper, 29 February 2016 p.m. session CC workshop on constant price revenue growth CC publish paper on effect of IM changes on DPP reset Subs close on GIC Gas Transmission Security and Reliability Issues Paper - April 2016 GPS DPP reset completed</p>	new new new new new		24 24 25 28	10	Subs on paper close 10 th June Details to be advised. 31 st May 2017
<p><u>IM review</u></p> <p>Consumer engagement (Part 4 in general topic) CC publish further advice from Dr Lally on WACC Draft decision and reasons paper published Draft proposed changes to airports ID published Draft text of determinations published Submissions due X subs due Final decisions on review of all IM except Transpower Capex IM Transpower Capex IM review</p>	delayed new new confirmed confirmed	20	16 16 22	28	IM reviews for electricity, gas and airfield monopolies CC have not advised timeline for consideration or how relates to IM review. Subs due as part of overall IM review package on 28 th July. Not IM related but of interest to MEUG. 11 th August December After 2016
<p><u>Distribution contracts T&C's</u></p> <p>Proposed Default Distribution Agreement (DDA) Pricing: ~ Distributed Generation Pricing Principles – EA consult as part of TPM package (refer prior Transmission page) ~ ENA to announce next steps on their pricing paper ~ EA conference on Distribution pricing review Improving communication of outages</p>	new	17			Submissions closed 19 th April. This consultation includes ACOT payments. Subs to ENA closed 12 th June 2015. Conference in August. Raised in MEUG and some retailer subs on DDA 19 th April.

Frequently used abbreviations, part 1 of 2:					
Δ	change, or if referring to the Code, amendment	DPP	Default Price-Quality Path regulation	ICP	Individual Connection Point
ACOT	Avoided Costs of Transmission (payments)	DSDs	Detailed Solution Design Agreements (TPNZ)	ID	Information Disclosure
AEMO	Australian Energy Market Operator	DUML	Distributed unmetered load	IDD	Information Disclosure Determination
a.k.a.	Also known as	DR	Demand Response	IEGA	Independent Electricity Generators Association
AMI	Advanced metering infrastructure	EA	Electricity Authority	IHD	In-home display ie smart meter display
AMWEs	Alternative methodologies (IM) with equivalent effect	EC	Electricity Commission (predecessor to EA)	IM	Input Methodology
ANZSIC	Australia, NZ Standard Industrial Classification	ECE	Extended Contingent Event	IPP	Individual Price-Quality Path regulation
AoG	All of Government	EEA	Electricity Engineers' Association	IR	Instantaneous Reserves
AOPO	Asset Owner Performance Obligations	EECA	Energy Efficiency & Conservation Authority	IRIS	Incremental Rolling Incentive Scheme
APEV	Assoc. for the Promotion of EV	EDB	Electricity Distribution Business	IWA	Ireland, Wallace & Assoc.
APR	Annual Planning Report (Transpower's)	EDF	Energy Data File (published by MBIE)	LDA's	Line Deviation Agreements (TPNZ)
ATH	Approved test house	EDGS	Electricity Demand and Generation Scenarios	LEANZ	Law & Economics Assoc. of NZ
ASX	ASX Limited	EGCC	Electricity & Gas Complaints Commission	LFC	Low fixed charges regulations
AUFLS	Automatic Under-frequency Load Shedding	EIEPs	Electricity Information Exchange Protocols	MBIE	Ministry of Business Innovation & Employment
AWATEA	Aotearoa Wave & Tide Energy Assoc.	EIH	Expected Interruption Hours (for AUFLS)	MDC	Medically dependent consumer
BEC	BusinessNZ Energy Council	EMANZ	Energy Management Assoc. of NZ	MEL	Meridian Energy Ltd
BIM	Briefing for Incoming Ministers	ENA	Electricity Networks Association	MEP	Meter equipment provider
BSDR	Black's Simple Discount Rule	EPOC	Electric Power Optimisation Centre	MEPS	Minimum Energy Performance Standards
CAN	Customer Advice Notice	ER	Extended Reserves	MFK	Multiple FK
CAPM	Capital Asset Pricing Model	ERANZ	Electricity Retailers Assoc. of NZ	MGUG	Major Gas Users' Group
CBA	Cost Benefit Analysis	ERM	Extended Reserves Manager	MM	Market making
CC	Commerce Commission	ETS	Emissions Trading Scheme	MoT	Ministry of Transport
CCS	Customer Compensation Scheme	EV	Electric Vehicles	MRP	Mighty River Power
CE	Contingent Event	FIR	Fast Instantaneous Reserve	MUoSA	Model Use of System Agreement
CEN	Contact Energy	FMCA	Financial Markets Conduct Act 2013	n.a.	not applicable
CfD	Contracts for differences	FK	Frequency keeping	NHH	Non-half-hourly read, cf. HHR
CIC	Customer Investment Contracts (TPNZ)	FKC	Frequency keeping controller	NI	North Island
CMP	Capacity Measurement Period	F&O	Futures and options	NIC	New Investment Contracts (with Transpower)
COB	Close of business	FO	Franks Ogilvie	NIRM	National IR Market
Code	Electricity Industry Participation Code 2010	FTR	Financial Transmission Rights	NIU	National Infrastructure Unit (part of Treasury)
CPP	Customised Price-Quality Path	FPVV	Fixed price variable volume	NOI	Notice of Intention (formal notice by CC)
C&S	Clearing & Settlement (usually refers to Part 14)	GEIP	Good Electricity Industry Practice	NPV	Net Present Value
CSF	Critical Success Factor	GETS	Government Electronic Tender Service	NRS L/S	Non responsive schedule (L=long, S=short)
CUWLP	Clutha-Upper Waitaki Lines Project	GNE	Genesis Energy	NZAS	NZ Aluminium Smelters
CVP	Constraint Violation Penalty	GPS	Gas Pipeline Services	NZCID	NZ Council for Infrastructure Development
DCLS	Dispatch-capable load station (for DD "market")	GTB	Gas Transmission Businesses	NZIER	NZ Institute for Economic Research
DD	Dispatchable Demand	GXP	Grid Exit Point	NZGA	NZ Geothermal Association
DDA	Default Distribution Agreement	HHI	Herfindahl-Hirschman Index	NZPC	NZ Productivity Commission
DG	Distributed generation	HHR	Half-hourly reconciliation (re data or meters) cf. NHH	OAG	Office of the Auditor General
DGPP	Distributed generation pricing principles	HSW	High Spring Washer	OIA	Official Information Act.

Frequently used abbreviations, part 2 of 2:					
POCP	Planned Outage Co-ordination Process	SOSPA	System Operator Service Provider Agreement	UFM	Under-frequency management
PROPS	Participant Rolling Outage Plans	SDP	Scheduling, Pricing & Dispatch (obj., model)	UTS	Undesirable Trading Situation
PRS L/S	Price response schedule (L=long, S=short)	SM	Selection Methodology (for extended reserves)	UoSA	Use of System Agreement
PUP	Process Update Paper	SME	Small or medium enterprise	VCT	Vector
QSDEP	Quarterly survey of domestic energy prices (MBIE)	SRC	Security and Reliability Council	VoLL	Value of Lost Load
RAG	Retail Advisory Group, convened by EA	SSDG	Small scale DG (<10kW)	vSPD	vectorised SPD model
RFM	Reserves & Frequency Management programme	subs	submissions	VUW	Victoria University of Wellington
RMT	Reserve Management Tool	SWOT	strengths, weaknesses, opportunities & threats	WACC	Weighted average cost of capital
RTD	Real time dispatch	TASC	Technical Advisory Services Contract	WAG	Wholesale Advisory Group, convened by EA
RTP	Real time pricing	tba	to be advised	WAPC	Weighted Average Price Cap
SBL-CAPM	Simplified Brennan-Lally CAPM	tbc	To be confirmed	WEC	World Energy Council
SCADA	System Control and Data Acquisition	T&Cs	Terms and conditions of a contract	WDS	Week-ahead dispatch schedule
SI	South Island	TOU	time-of-use (metering)	WIAL	Wellington International Airport Ltd
SIR	Sustained Instantaneous Reserve	TPM	Transmission Pricing Methodology	wip	work in progress
SO	System Operator	TPNZ	Transpower	WITS	Wholesale Information Trading System
SoO	Statement of Opportunities (published by EC)	TPW	Trustpower	w/s	week starting
SOROP	System Operator Rolling Outage Plan	TRS	Technical Requirements Schedule (for ER)	x-sub	cross-submission
SoS	Security of supply	TWA	Transmission Works Agreement		